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to the ends of minute filamentous algæ growing from the former. The last few days he had observed a number apparently in conjugation, conspicuous for their larger size and elongated form. One apparently of two individuals was biscuit-shaped, 1.375 mm. long and 0.625 wide. Later, it assumed an oval shape and measured 1 mm. long and 0.875 wide. Another specimen, apparently of three individuals in a trefoil-like group measured 1.5 mm. long and 1.125 broad. Shortly after it assumed a biscuit form, with one lobe larger than the other and then measured the same length, with the same breadth on one side and 1 mm. on the other. Both of the above were transferred to an animalcule cage, and after twenty-four hours, three appeared in their place. One of these of lozenge shape with rounded angles measured 1.625 mm. long by 0.875 broad; a second was irregularly half-oval and 1.125 mm. long by 0.875 broad; and the third was oval and 0.75 mm. long by 0.625 broad. In the later observation they had discharged all conspicuous food.

Prof. Leidy further stated that on tubes of *Plumatella diffusa*, attached to a stone collected in the same locality as the above, he had noticed many specimens of the following forms of infusoria and rotifers.

*Vaginicola crystallina*.—Tube 0.1 mm. long, 0.028 broad; often containing two individuals.

*Vaginicola tinctoria*.—Tube 0.1 mm. long; at mouth 0.048 wide; just below 0.04 wide.

*Limnias annulatus*.—Tube 0.6 to 0.625 mm. long; 0.05 to 0.0625 wide; rotary disks together 0.2 wide.

*On Tubularia, etc., from Atlantic City*.—Prof. LEIDY exhibited specimens of the hydroid *Tubularia crocea* (*Parypha crocea* Ag.), which he had observed in great profusion attached to the bottom of a wreck at Atlantic City, N. J. With it he had noticed a multitude of the little sea-slug *Eolis pilata* Gould, and the skeleton-shrimp, *Caprella geometrica* Say. He further exhibited specimens of *Alcyonidium ramosum* Verrill, presented by Mr. Edward Potts, and obtained by him from stones at the inlet of Atlantic City.

The following were ordered to be published :—